

CANADIAN
FOREST
OIL LTD.

8228-C131-2E

MAXHAMISH

LINE: 99-EL380-20
SPS: 87 - 605

PRE-STACK
MIGRATION

NORMAL POLARITY

STATICS PARAMETERS
DATUM: 500 M REFL VEL: 4000 M/S

FIELD PARAMETERS

SHOT FOR : CANADIAN FOREST OIL LTD. SEPT. 1989
SHOT BY : GECO PARULA CREW 1887

INSTRUMENTS	GEOPHONES
NAME/MODEL : 10 SYSTEM 2	TYPE : 070 SGT
S.A. : 2 M	FREQUENCY : 10 HZ
LENGTH : 8 SEC	DAMPING : 0.7
FILTER : OUT-1/2 INTO 1/16	NUMBER/GROUP : 6
NOTCH : 1 OUT	SPECTING : 3 M
FORMAT : SEG-D	GROUP LENGTH: 15 M

SOURCE	SPREAD
TYPE : DYNAMITE	FOLD : 4000 PCT
CHARGE : 10 KG	S.P. INT : 98 M
DEPTH : 20 M	GRP. INT : 15 M
NO. IN LINE: 1	

CONFIGURATION
3000--15--15--3000 M
1--240--241--400

PROCESSED SEPTEMBER 1989 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMUTIPLEX:
PROCESS SAMPLE RATE : 2.0 MS
PROCESS RECORD LENGTH : 5.0 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE : (MULTIPLY INCREASING BY) 1.1 AND 1.2

TRACE EDITING:
PHASE COMPENSATION:
TYPE : GEOPHONE AND INSTRUMENT

DECONVOLUTION:
TYPE : SURFACE CONSISTENT SPREADING
OPERATOR LENGTH : 80 MS
PREWHITENING : 0.1 X
DESIGN DATE : 800 - 3000 MS AT 100 OFFSET
1000 - 3000 MS AT 5000 OFFSET

OFFSET RANGE:
PARTIAL SPECTRAL BALANCING:
FREQUENCY : 0 - 60 HZ

EQUALIZATION:
DESIGN DATE : SAME WINDOW AS DECON

STATICS (REFRACTION):
METHOD : GENERALIZED LINEAR INVERSION
FREQUENCY SPACING : EVERY SHOT
DATA ELEVATION : 500 M
VERTICAL VELOCITY : 700 M/SEC
REPLACEMENT VELOCITY : 4000 M/SEC

SORT:
TO EQUAL COP INTERVAL

VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 1ST PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 800 - 3000 MS
PATTERN SHIFT : +/- 80 MS
CORRELATION PER TRACE : 10
NUMBER OF ITERATIONS : 2

VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE MOVEOUT

STATICS (RESIDUAL): 2ND PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 800 - 3000 MS
PATTERN SHIFT : +/- 10 MS
CORRELATION PER TRACE : 10
NUMBER OF ITERATIONS : 2

PRE-STACK MIG. VEL. ANALYSIS:
TYPE : CONSTANT PERCENTAGE MOVEOUT

MUTE PATTERN:
DISTANCE : 500 070 1000 3000 M
500 300 - 500 1000 MS

EQUALIZATION:
DESIGN DATE : SAME AS DECON

FULL PRE-STACK MIGRATION:
TYPE : ZERO-OFFSET SPREADING
DATA REFERENCED TO PLATTED SURFACING PLACED SURFACE
SEPARATELY BY SHOT AND RECEIVER
VELOCITIES : SHOWNED CLIENT VELOCITIES
0.1 0.1 100

STACK:
SPREAD SUPPRESSION : 0.1 1000000
FOLD : 4000 PCT

OUTPUT STACKED DATA:
FORMAT : SEG-D

FILTERS:
FREQUENCY : 0.10-10.00

EQUALIZATION:
DESIGN DATE : SAME AS DECON

OUTPUT STACKED DATA:
FORMAT : SEG-D

FILE DISPLAY:
FORMAT : SEG-D

DISPLAY PARAMETERS

HORIZONTAL : 5.0 M VERTICAL : 5.0 M